

BARTKOWICZ, S

BARTKOWICZ, S. Progress in the field of optical bleaching. P. 146.

Vol. 12, no. 3, Mar. 1956
PRZEMYSŁ CHEMICZNY
TECHNOLOGY
Warsawa, Poland

So: East European Accession Vol. 6, no. 2, 1957

Bartkowicz, S.

POLAND/Physical Chemistry - Molecule, Chemical Bond.

B-4

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 91

Author : Stanislaw Bartkowicz.

Inst : Lodz Polytechnic Institute.

Title : Fluorescence Spectra of Sodium Salt of 4,4'-Diaminostilbene-2,2'-Disulfonic Acid and Blancophor A.

Orig Pub : Zesz. nauk. Politechn. lodzkiej, 1957, No 15, 17-20

Abstract : The distribution of emission intensity in fluorescence spectra of the sodium salt of 4,4'-diaminostilbene-2,2'-disulfonic acid, as well as that of blancophor A were studied.

Card 1/1

POLAND

BARTKOWICZ, S. i The Department of Applied Pharmacy AM (Academy of Medicine), Krakow (Z Zakladu Farmacji Stosowanej AM w Krakowie).

"Complexometric Methods of Determination of Iron (II) and Iron(III) mixtures in Pharmaceutical Preparations."

Warsaw, Farmacja Polaka, Vol 18, No 23, 10 Dec 62, pp 567-571

Abstract: A rapid method of determining Fe(II) and Fe(III) mixtures of salts in pharmaceutical preparations is described. At pH 2-3 Kompleksan III (ethylenediaminetetraacetic acid disodium salt) complexes with ferric ions. The solutions are then adjusted to pH 7 whereupon ferrous ions are complexed. The excess reagent is then back titrated against zinc sulfate using Erichrome T as an indicator.

This article contains four tables and thirteen references. All the references are Western.

(1/1)

POLAND

BARTKOWICZ, S. i The Department of Applied Pharmacy AM (Academy of Medicine, Krakow (Z Zakladu Farmacji Stosowanej AN w Krakowie).

"Complexometric Methods of Estimating Aluminum in Pharmaceutical Preparations."

Warsaw, Farmacja Polska, Vol 19, No 4, 25 Feb 63, pp 69-72

Abstract: The author reviews the various methods available for estimating aluminum in pharmaceutical preparations. The methods which involve complexing of the metal with ethylenediaminetetraacetic acid disodium salt (EDTA-Na₂), are described in detail. This article contains three tables and nine references. Three of the references are from the Soviet block.

1/1

BARTKOWICZ, S.

Complexometric methods of determining a mixture of ferrum (II) and ferrum (III) in pharmaceutical preparations. Farmacja Pol 18 no.23: 567-571 10 D '62.

1. Zaklad Farmacji Stosowanej, Akademia Medyczna, Krakow. Kierownik: Prof. dr M. Gatty-Kostyal.

BARTKOWICZ, Stanislaw, mgr inz.

Aavigage of synthetic fibers with fluorescent substances.
Chemik 16 no.10:306-308 O '63.

BARTKOWICZ, S.

Complex method of determining the aluminum content in drugs,
Farmacja Pol 19 no.4:69-72 25 F '63.

1. Zaklad Farmacji Stosowanej, Akademia Medyczna, Krakow.
Kierownik: prof. dr M. Gatty-Kostyal.

BARTKOWSKA, Janina

On the inclination of the image plane in an optical system
caused by slightly decentered surfaces. Acta physica
Pol 25 no. 4:551-563 Ap '64.

1. Polish Optical Works, Warsaw.

BARTKOWSKA, J.

Mathematical Reviews
Vol. 15 No. 2
Feb. 1954
Mathematical Physics

Bartkowska, J. Third order aberrations of a mirror lens.
Acta Phys. Polonica 12, 57-63 (1953). (Russian summary)

The author performs the very useful job of transforming
Seidel's aberration formulae to the practically important
case of systems containing refracting and reflecting surfaces,
especially the case of a mirror lens, i.e., a single lens with
reflecting second surface. M. Herzberger.

POLAND/Optics - Geometrical Optics

K-2

Abs Jour : Ref Zhur - Fizika, No 8, 1958, No 18903

Author : Bartkowska Janina

Inst : Not Given

Title : Aberration of Mirror Lenses

Orig Pub : Pomiary, automat., kontrola, 1957, 3, No 4, 155-157

Abstract : Derivation of formulas for the calculation of aberrations of third and higher orders and chromatic aberrations of lenses with reflecting surface. Results of the calculation of such a lens are given.

Card : 1/1

37

BARTKOWSKA, Janina

Differentials of extension of any optical system. Acta physica
Pol 23 no.6:751-763 Je '63.

1. Polnische Optische Werke P.Z.O., Warszawa.

BARTKOWSKA, J.

Differentials of the refraction power of any optical system according to its construction elements, curvatures, thickness of lenses, air distances and refractive indices. Acta physica pol 20 no.9:717-724 '61.

1. Polskie Zaklady Optyczne, Warszawa.

BARTKOWSKA, Janina, mgr. inz.

Formation of images in eccentric optical systems. Pomiary
8 no.7:330-331 Jl '62,

1. Polskie Zaklady Optyczne, Warszawa.

BARTKOWSKA, Janina

Differentials of the sections of an optional optical system according to its construction elements: radii, curves, lens thicknesses, aerial distances, and refraction numbers. Acta physica Pol 21 no.2:111-119 F '62.

1. Polnische Optische Werke, Warszawa.

BARTKOWSKA, Maria

On the use of local bloodletting in eye diseases. Klin. oczna 32
no.4:415-419 '62.

1. Z Kliniki Okulistycznej AM w Poznaniu. Kierownik: prof. dr med.
A. Kwaskowski.

(OPHTHALMOLOGY) (BLOODLETTING)

BARTKOWSKA, Maria

A case of orbital plasmocytoma. Klin. oczna 34 no. 3:
265-268 '64.

1. Z Kliniki Okulistycznej AM w Poznaniu (Kierownik: prof.
dr med. A.Kwaskowski).

BEDNARCZYKOWA, Ann; BARTKOWSKA, Maria

Difficulties in the diagnosis of initial periphlebitis
retinae. Klin. oczna 34 no. 3:251-255 '64.

1. Z Kliniki Okulistycznej AM w Poznaniu (Kierownik:
prof. dr med. A.Kwaskowski).

BARTKOWSKA, Maria

Gonioscopic examination of the chamber angle after Elliot's
antiglaucoma operation. Klin. oczna 35 no.2:219-223 '65.

l. Z Kliniki Okulistycznej Akademii Medycznej w Poznaniu
(Kierownik: prof. dr. med. A. Kwaskowski).

BARTKOWSKA, Teresa (woman)

Influence of certain environment factors on the development
of speech in the preschool child. Przegl psychol no.8:57-69 '64.

BARTKOWSKI, Stanislaw

Salivary fistulas. Czas. stomat. 18 no. 3: 257-264
Mr(65).

1. Z Kliniki Chirurgii Stomatologicznej Akademii Medycznej w Krakowie (Kierownik: dr. med. J. Drozdowski).

KARP, Wilhelm; MARCINKOWSKI, Mieczyslaw; BARTKOWSKI, Stanislaw
Case of eosophilic granuloma of maxilla and mandible. Pol. tyg.
lek. 20 no.35:1336-1337 30 Ag '65.

1. Z Kliniki Radiologicznej AM w Krakowie (Kierownik: prof. dr.
St. Januszkiewicz) i z Kliniki Chirurgii Stomatologicznej AM w
Krakowie (Kierownik: doc. dr. T. Pawela).

BARTKOWSKI, Stanislaw; KACZMARCZYK, Alicja

Influence of dental splints used in jaw fractures on the tissue
of the periodontium. Czas. stomat. 18 no. 12:1431-1433 D' 65.

1. Z Kliniki Chirurgii Stomatologicznej AM w Krakowie (Kierownik:
doc. dr. T. Pawela) i z Zakladu Dentystyki Zachowawczej AM w
Krakowie (Kierownik: doc. dr. J. Wodniecki).

BARTKOWSKI, Tadeusz (Poznan)

Terraces around Lake Pakosc (Kuyavian morainic plateau). Czasop
geograf 33 no.3:339-350 '62.

BARTKOWSKI, T.

Structure of deeper underground layers in the Kolo region on the Warta River. p. 296

SO: East European Accessions List (EAL). LC. v._o. 4 N. 11 Nov. 1955 uncl.

BARTKOWSKI, T.

Development of the postglacial hydrographic network in middle Great Poland.

p. 3 (Geografia) No. 1, 1957. Poznan, Poland.

SO: Monthly Index of East European Accessions (EEAI) LC, - Vol. 7, No. 1, Jan. 1958

6.9260

35343

S/194/62/000/001/058/066
D201/D305

AUTHORS: Bartkowski, Tadeusz and Seidler, Jerzy

TITLE: An analogue pulse correlator

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,
no. 1, 1962, abstract 1-7-209m (Zesz. nauk. Politechn.
gdánsk., 1960, no. 20, 49-65)

TEXT: A description of a correlator is given as used for the analysis of functions given in analogue form, with the spectrum occupying the 50 - 20,000 c/s frequency band. Two readings shifted in time modulate in phase and length the pulses of a synchronous multivibrator. By integrating the modulated pulses it is possible to obtain a constant voltage which is proportional to the correlation function. The correlator may be used for obtaining both the correlation and auto-correlation function. 13 references. / Abstracter's note: Complete translation. / X

Card 1/1

POLAND/Optics - Geometrical Optics.

Abs Jour : Ref Zhur - Fizika, No 6, 1959, 14016
Author : Bartkowski, Zygmunt
Inst :
Title : Certain Properties of the Abbe Invariant Q of a Thin Lens.
Orig Pub : Pomiary, Automat, Kontrola, 1958, 4, № 4, 154-155

Abstract : Third order aberrations of a lens, whose thickness is small compared with the focal distance, can be determined with the aid of the Abbe invariants Q of both its surfaces. In a system consisting of an arbitrary number of thin lenses, the components of the Seidel sum for each lens are expressed in terms of the height of intersection of two auxiliary paraxial rays with the surfaces of the lens and in terms of two quantities that depend on Q. -- I.V. Peysakheon

Card 1/1

RUMANIA/Optics - General Problems.

K

Abs Jour : Ref Zhur Fizika, No 4, 1960, 9691

Author : Bartkowski Zygmunt

Inst :

Title : The Nature of Light

Orig Pub : Pomiary, automat., Kontrola, 1958, 4, No 9, 417-419

Abstract : Popular article.

Card 1/1

- 136 -

POLAND/Optics - Optical Technology.

K

Abs Jour : Ref Zhur Fizika, No 4, 1960, 9712

Author : Bartkowski Zygmunt

Inst : Central Laboratory for Optics, Poland

Title : On One Method of Calculating a Double-Mirror Aplanatic Objective

Orig Pub : Pomiary, automat., Kontrola, 1959, 5, No 3, 107-108

Abstract : A method is developed for the calculation of an aplanatic lens, consisting of two aspherical mirrors, which does not require the solution of a system of differential equations. By specifying the magnification of the system and the point of incidence on both mirrors for one of the rays of a meridional axial beam, and by determining the direction of the tangents to the meridional curves of the mirrors at the points of incidence, by

Card 1/2

POLAND/Optics - Optical Technology -

K

Abs Jour : Ref Zhur Fizika, No 4, 1960, 9712

construction and trigonometric calculation, it is possible to determine the shapes of these curves. -- I.V.
Peysakhson

Card 2/2

- 139 -

BARTKOWSKI, Zygmunt, mgr

A nonspherical condenser with only one spherical surface.
Pomiary 8 no.10:483-485 0 '62.

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0

BARTKOWSKI, Zygmunt, mgr

Satellites help the meteorologists. Horyz techn 18 no.1:9-11 '65.

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0"

ACCESSION NR: AP4042761

S/0208/64/004/004/0776/0780

AUTHOR: Bartkus, A. T. (Leningrad)

TITLE: Approximate solution of certain combinatory problems of linear programming by the method of duality

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 4, no. 4, 1964, 776-780

TOPIC TAGS: combinatory problem, linear programming, maximization, minimization, duality, set theory, constrained optimization

ABSTRACT: The author proposed the solution of the linear programming problem of finding the vector X such that the function

$$L(X) = \sum_{j=1}^n c_j x_j$$

minimum, subject to the constraints

- 1) $\sum_{j=1}^n a_{ij} x_j \geq b_i \quad (i = 1, 2, \dots, m),$
- 2) $b_i > b'_i \quad (i = 1, 2, \dots, m),$
- 3) $c_j > 0 \quad (j = 1, 2, \dots, n),$
- 4) $x_j \geq 0 \quad (j = 1, 2, \dots, n),$

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ACCESSION NR: AP4042761

where \neq signifies separate inequalities (either/or). A coefficient ω_i was introduced such that $\omega_i \sum_{j=1}^n a_{ij} y_j > b'_i \neq -b''_i$ ($i = 1, 2, \dots, m$), where ω_i is defined as

one for a choice of b'_i as the right-hand side of the inequality and as -1 for a choice of b''_i . Solution of the dual problem of finding a vector Y such that the function $L(Y) = \sum_{i=1}^m (b'_i \neq -b''_i) y_i$ is a minimal maximum subject to

$$\sum_{i=1}^m \omega_i a_{ij} y_i \leq c_j \quad (j = 1, 2, \dots, n), \quad \text{and where } 1) \sum_{i=1}^m \omega_i a_{ij} y_i + y_{n+j} = c_j \quad (j = 1, 2, \dots, n), \\ y_i \geq 0 \quad (i = 1, 2, \dots, m) \quad 2) y_i \geq 0 \quad (i = 1, 2, \dots, m+n)$$

is proposed as the easier task. The author outlined the method of solution, including descriptions of: 1) formulation of an initial basic feasible solution; 2) criteria for selecting a vector to enter into the basis; 3) formulae for transforming the solution array for a change of basis; and 4) criteria for identifying optimality. The solution technique is iterative. A representation of the dual problem in a tabular or matrix form is presented. Application of the method

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ACCESSION NR: AP4042761

to an example from railroading was cited (A. T. Bartkus. K voprosu o formalizatsii zadachi avtomaticheskogo regulirovaniya dvizheniya poyezdov. V sb. "Avtomatika i telemekhan. na zh.-d. transporte." Vy*p. 205. Tr. LIIZhT, L., 1963, 91-99). Orig. art. has: 26 equations and 1 array.

ASSOCIATION: none

SUBMITTED: 03Jan64

ENCL: 00

SUB CODE: MA

NO REF SOV: 002

OTHER: 002

Card

3/3

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0

RUMTIN, A. inzh.

Use of linear programming in solving a problem in optimal train traffic control. Sbor. trud. IZISET no.243:67-68 '64. (MFA 18:9)

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0"

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0

BARTKUS, A.T., inzh.

Formalization of a problem of automatic train traffic control. Sbor.
trud. MIZHT no.205:91-99 '63.
(MIRA 1821)

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0"

BARTKUS, R.

Observations of lunar occultation of Venus on October 7, 1961.
Astron.tsir. no.226;17 0 '61. (MIRA 16:1)

1. Vil'nyusskaya astronomiceskaya observatoriya.
(Occultations)

L 10531-63EWT(d)/PCC(w)/EDS--APGC/ASD/ESD-3--Pg-4/Pk-4/Po-4/
Pg-4--IJP(C)/GG

ACCESSION NR: AP3C01097

S/0103/63/024/006/0850/0855

78

77

AUTHOR: Bartkus, T. I. (Vilnius); Gikis, I. I. (Vilnius); Lapenės, F. P.
(Vilnius); Lukoshevichyus, S. K. (Vilnius); Meshcheryakov, V. V. (Vilnius);
Tel'ksnis, L. A. (Vilnius)TITLE: Specialized electronic computer for correlation and spectral analysis
of visual and magnetic recordings of random processesSOURCE: Avtomatika i telemekhanika, v. 24, no. 6, 1963, 850-855

TOPIC TAGS: computer, automatic reader, correlation, correlation computation

ABSTRACT: Special features are described of a computer which will read large amounts of raw random statistical data in the form of continuous visual tape records and then perform on the analog signal the desired calculations of correlation and spectral density. The computer has three basic sections: an input electron-optical data reader, a delayed memory storage, and an electronic computation section. The reader is a TV pickup of the vidicon type, on whose screen is projected the image of the moving signal trace. The vidicon output, after integration and detection, is the voltage analog of the scanned trace.

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L 10531-63
ACCESSION NR: AP3001097

The original tape recording may be any usual type (photosensitive, direct-writing, 25-mm film), providing the trace is black, blue, or green and the tape background is white or transparent. The voltage signals obtained are stored on magnetic tape in FM form and are fed to a special delay section which automatically time-shifts one taped signal with respect to another as required in correlation computation. The delay section (See Fig. 1 of Enclosure) has a playback head (1), an eraser head (2), and a record head (3) for each signal of a pair. Both signals are picked off prior to erasure, amplified (5), and re-recorded via the record heads (3), except that one of the latter is mechanically advanced a distance Δl , causing a shift in its re-recorded trace. By rewinding and repeating, the process gives any desired time shift up to 18 sec. The remaining circuitry includes the required multiplication and integration, the output of which is the correlation function in graphical form on punched tape. To determine power spectral density (PSD), the taped correlation function is in turn fed to the computer input; necessary sinusoidal functions and frequency selection are included in the computing section for PSD computation. Fourier series coefficients may also be calculated. Other operating data include an accuracy of correlation calculation of approximately 5%, PSD of approximately 8%, an overall dynamic range of 40 db, and a maximum continuous computation

Card 2/K₃

L 10531-63
ACCESSION NR: AP3001097

interval of 20 minutes. The computer is built in three consoles, all operated by one person. It is in current production at the Vil'nyusskiy zavod schetrykh mashin (Vilnius Computer Plant). Orig. art. has: 5 figures and 5 formulas.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 01Jul63

ENCL: 01

SUB CODE: CP

NO REP SOV: 000

OTHER: 000

Card 3/x

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0

BARTL, D.

"Technical Control in Electroplating." p. 532, Praha, Vol. 3, no. 7, July 1953.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0"

BARTL, D.

"Protective coatings against corrosion."

CHEMICKY PRUMYSL, Praha, Czechoslovakia, Vol. 5, No. 10, October 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

BARTL, Daniel Otakar

Technologie chemickych a elektrotechnickych povrchovych uprav. 1. dil.
(Technology of the Chemical and Electrical Surface Finishing. Vol. 1. 1st ed.
illus., bibl., index) Authors: D. O. Bartl, O. Mudroch, and others. Introduction
by M. Roubal. For the engineers, investment experts, workers in the field of
chemical and electric surface finishing and for the students in technical
schools. Prague, SNTL, 1957. 447 p.

The book is based on research and experience and offers theoretical as well as practical information on the finishing of metals by mechanical, chemical, and electrochemical methods. It contains 23 chapters by various authors. It deals with the corrosion of metals, selection of protective coatings, technological processes, calculation of the radiation capacity, and especially with the preliminary surface finishing.

Bibliograficky katalog, CSR, Ceske knihy, No. 32. 17 Sept 57. p. 680.

BARTL, I.

Yugoslavia (430)

Technology

Vine and hop stakes. p. 83, Nova
Proizvodnja, Vol. 2, no. 1/2, February 1952.

East European Accessions List, Library of Congress,
Vol. 2, No. 3, March 1953, UNCLASSIFIED.

TITLE: Seminar in Kiev on the production and physical properties of carbon fiber
part 1

DATE: 30 Jun - 4 Jul 1982, 1982

TOPIC: Carbon fiber production and properties

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0"

BARTL, J.

Seminar on the production and physical properties of fusion
resistant carbides in Kiev. Sklar a keramik 14 no.5:134
My '64.

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0

BARTL, Josef, inz.

Quantum amplifiers. El tech obzor 53 no. 2:94-95 F '64.

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0"

BARTL, Josef

Refractory oxide ceramics, its properties and use at higher temperatures. Sklar a keramik 13 no.9:227-231 8'63.

1. Vyzkumny ustav energeticky, Brno.

DRAHNY, MILOS; JANUSKA, Karel; LEHL, Pavel; NOVAK, Stanislav; BARTL,
Josef; BOHAL, Ladislav; HAVLICEK, Rostislav; KORINEK,
Stanislav.

Optimization of parameters of a nuclear power station with
heterogeneous heavy water reactor on D_2O - cooled natural uranium.
Jaderna energie 10 no.7:254 Jl'64

1. Research Institute of Power Engineering, Prague (for Drahny,
Januska, Lehl, Novak, Bartl). 2. State Institute Energoprojekt,
Prague (for Bohal, Havlicek, Korinek).

BARTL, Lubomir; MERTL, Arnost

Exhibition of forming machines. Tech prace 15 no.9:663-667
S'63.

1. Smeralovy zavody, n.p., Brno.

ACC NRI AP6032755

SOURCE CODE: CZ/0038/66/000/009/0333/0337

AUTHOR: Bartl, O.; Dlouhy, Z.

37

ORG: [Bartl] Skoda Sectional Enterprise, Plzen, Nuclear Power Plant
(Skoda, oborovy podnik Plzen, zavod jaderne elektrarny); [Dlouhy]
Nuclear Research Institute CSAV, Rez (Ustav jaderneho vyskumu CSAV)

TITLE: Decontamination ability and corrosion action of some decontamination solutions

SOURCE: Jaderna energie, no. 9, 1966, 333-337

TOPIC TAGS: corrosion, stainless steel, carbon steel, metal surface,
metal scaling

ABSTRACT: Corrosion tests and tests to show the decontamination properties of stainless steel and carbon steel were conducted with various decontaminants. Special attention was given to the scale present on the surface of the steel. The scale could not be removed completely from the surface of the metal. The use of an alkaline permanganate solution did not result in easier dissolution of the oxide layer during the next step of the decontamination process with citrate solution. The effectiveness of all decontaminants tested was satisfactory with the exception of the sulfamic acid solution for both types of steel,

Card 1/2

621.039.004
UDC: 620.193.2

L 09674-67

ACC NR: AP6032755

and of peroxide-oxalate solution for scaled carbon steel. The paper was presented by F. Franz. Orig. art. has: 5 tables. [Based on authors' abstract]

SUB CODE: 11/ SUBM DATE: , 19Feb66/ ORIG REF: 001/ OTH REF: 003

Card 2/2 *b11*

BARTL, Pavel

Chemical Abst.
Vol. 48 No. 9
May 10, 1954
Biological Chemistry

No. 1

Proteins. XXII. Determination of the molecular weight of chymotrypsinogen. *Pavel Bartl and Blahoslav Sedláček* (Ustav org. chem. ČSAV, Prague, Czech.). *Chem. Listy* 48, 1-6(1954); cf. *C.A.* 48, 4022g.—The mol. wt. of chymotrypsinogen (I) has been found to be 24,500 by osmotic pressure measurements, and 26,000 by light-scattering measurements. In the pH range 1.4-8.1, at ionic strength approx. 0.1, and in the concn. range of I from 1 to 15 g./l., the mol. wt. of I is approx. const. The solns. were filtered through Jena-glass filter G 5. With unfiltered solns. the osmotic pressure measurements show an anomalous concn. dependence which suggests the dissociation of I. R. Eddle

BARTA, P.

CZECH

✓ Proteins. XXXII. The molecular weight of chymotrypsin. Pavel Bartá, Blahoslav Sedláček, and Vladimír Kuderna (Ústav org. chem., CSAV, Prague). *Chem. Listy* 49, No. 8 (1955); cf. *C.A.* 49, 8340r.—The mol. wts. of α-chymotrypsin (I) and of γ-chymotrypsin (III) were detd. osmotically as 24,000 and 23,600, resp., and by the light-scattering method as 27,000 and 25,000, resp. The concn.-dependences indicate the disocn. of the chymotrypsin particles. The mol. wt. of the I monomer was calcd. as approx. 23,000. E. Bides

~~BARTU~~, Pavel

V Properties of semipermeable cellophane membranes
Pavel Bartu and Bohuslav Sedlick (Chem. listav CSAV
Prague). Chem. Listy 49, 826-33 (1955).—The cellophane
membranes were studied by the turbidimetric method and
the results are compared with the standard-flow method.
The optical dis. are proportional to the vol. of the pores.
Thus, a rapid control of membranes and especially of their
swelling is possible. E. Erdös

P. J. G.
①

BARTL, PAVEL

6

Prague XXXIV. The molecular weight of trypsin.
Blažej Šedák and Pavel Bartl (Chemický ústav ČSAV, Praha).
Chem. Listy 49, 993-1003 (1955); cf., C.A. 49,
133144. The mol. wt. of trypsin has been detd. by light-
scattering and osmotic pressure measurements. The
concn. dependence of the quantity K_e/R_w is influenced by
the nature of the buffer soln. and by the temp. The mol.
wt. of the trypsin "monomer" is probably 21,000. B. Ryde.

BARTL, PAVEL

✓ Protein interactions. IV. Inhibition of α -chymotrypsin by diisopropyl fluorophosphonate and chloramphenicol.
Pavel Bartl and Blahoslav Sedláček (Chemický ústav ČSAV, Prague). Chem. Listy 49, 1017-20 (1955); cf. C.I. 49, 1112r.—From osmotic-pressure and light-scattering measurements on solns. of α -chymotrypsin (I) inhibited by diisopropyl fluorophosphonate, substrate assocn. with I is shown to be suppressed irreversibly. The inhibition by chloramphenicol is reversible and the assocn. of I with substrate is suppressed to an extent related to the dissoci. const. of the complex, inhibited protein-inhibitor. E. Erdélyi.

(1)

Country	: CZECHOSLOVAKIA	F
Category	: Laboratory Equipment. Instruments, Their Theory, Construction, Use	
Abs. Jour	: Ref Zhur - Khim., No 5, 1959, No. 15167	
Author	: Bartl, P.	
Institut.	:	
Title	: Inverse Method of Developing Negative Photographic Material Used in Electron Microscopy	
Orig Pub.	: Chem. Listy, 1958, 52, No 3, 558	
Abstract	: An inverse method of developing films and dipositive plates used for electron microscopy is described. By this method, a positive trace is obtained immediately without loss of resolving capacity, and material and time are saved in comparison with the usual method of treatment.-- M. Setinek	
Card:	1/1	

CZECHOSLOVAKIA/Electronics - Electron Microscopy

H-4

Abs Jour : Ref Zaur - Fizika, No 5, 1959, No 11058

Author : Ulbert Karel, Bartl Pavel

Inst : Chemical Institute, Czechoslovak Academy of Sciences, Prague,
Czechoslovakia

Title : Small Instrument for Metallic Coating in Electron Microscopy

Orig Pub : Chem. listy, 1958, 52, No 6, 1195-1196

Abstract : Description of a small table-top setup for vacuum preparation of electron-microscopic objects, which makes it possible to replace the compounds and the evaporator coils within 10 or 20 seconds (without breaking the vacuum), to control the thickness of the spattered layer by means of a photocell at a variable angle of spattering, and to observe the entire process through a glass cover of the vacuum chamber. The setup starts operating ten minutes after it is turned on. -- V.N. Markova

Card : 1/1

AUTHORS: Bartl, P. and Sedláček, B. CZECH/8-52-11-3/30

TITLE: Protein Interactions (O interakcích bílkovin) XIII.
Study of the Heat Denaturation of Human Serum Albumin
Using Electron Microscopy (Elektronové mikroskopická studie
tepelné denaturace lidského serumalbuminu)

PERIODICAL: Chemické Listy, 1958, Vol 52, Nr 11, pp 2044 - 2047
+ 2 plates (Czechoslovakia)

ABSTRACT: By means of electron microscope studies, it was established
that, under the given experimental conditions, the first
physical stage of thermal denaturation of human serum
albumin is aggregation of particles into linear chains,
the individual segments of which are of a size approaching
the dimensions of the molecule of the native albumin; the
length of the chain usually does not exceed 2 000 Å and
the most frequent length is 800 Å. In addition to straight
chains, branched chains were also observed. The second
stage of aggregation is agglomeration of the chains into
lumps which become more compact with the progress of
denaturation until, finally, flocculi form which precipitate
from the solution. In the conclusions, it is stated that
the electron microscope studies described in this paper

Card1/3

2

Protein Interactions XII. Study of the Heat Denaturation of Human
Serum Albumin Using Electron Microscopy

CZECH/8-52-11-3/30

have fully confirmed earlier results of the author (Refl), obtained by the method of light diffraction for systems of particles of human serum albumin aggregated as a result of denaturation by heat. In particular, it was proved, on the one hand, that there is linear aggregation of particles (segments) into longer chains, whereby the structure of the chains remains distinguishable even at higher degrees of aggregation and, on the other hand, that the thickness of the particles (chains) remains relatively constant at various degrees of aggregation. Of interest is also the fact that the presence of large particles has been detected during the very first phases of thermal denaturation, which indicates the existence of various types of particles in the native albumin or the considerable influence of denaturation in the interphases solution-air and solution-wall of the vessel. Study of the influence of experimental conditions (pH values, ion forces, ion quality, temperature and duration of the heating, etc.) is likely to yield more detailed information on the process and properties of the products obtained during denaturation

Card2/3

Protein Interactions XII. Study of the Heat Denaturation of Human Serum Albumin Using Electron Microscopy

CZECH/8-52-11-3/30

of albumin by heat.

There are 7 figures and 6 references, 3 of which are Czech and 3 English.

ASSOCIATION: Fysikálně chemické oddělení, Chemický ústav, Československá akademie věd, Praha (Physical Chemistry Section, Institute of Chemistry, Czechoslovakian Ac.Sc., Prague)

SUBMITTED: March 5, 1958

Card 3/3

BARTL, F.; SELLAKER, B.

"Protein interaction." XII. Electron-microscopic studies of human serum albumin denatured by heat. In German. p. 1625.

COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, Praha, Czech.,
Vol. 24, No. 5, May 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 6, Sept. 59

Unclassified

STOKROVA, S.; BARTL, P.; SPONAR, J.

The interaction of albumins. Part 21: Characteristics of the components of human serum albumins denatured by heat. Coll Cz Chem 25 no.5:1258-1266 My '60.

1. Physikalisch-chemische Abteilung, Chemisches Institut, Tschechoslowakische Akademie der Wissenschaften, Prague.

~~APPROVED FOR RELEASE: 06/06/2000~~ P. CIA-RDP86-00513R000203730006-0"

Protein interactions. Part 26: Delimitation of the aggregation region of heat-denatured human serum albumin. Coll Cz Chem 26 no.4:945-953 Ap '61.

1. Institute of Macromolecular Chemistry and Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

(Proteins) (Albumin)

CSSR

BARTL, P.; MUNK, P.; KRATOCHVIL, P.; STOKROVA, S.

no academic titles indicated

Institute of Organic Chemistry and Biochemistry and Institute of
Macromolecular Chemistry, Czechoslovak Academy of Science, Prague

Prague, Collection of Czechoslovak Chemical Communications, No 1, 1963,
pp 125-130

"Protein Interactions, XXXV. Type of Aggregates of Human Serum-
Albumin Formed After Thermal Denaturation in the pH-Region Near
the Isoelectric Point"

(4)

BARTL, P.; MUNK, P.; KRATOCHVIL, P.; STOKROVA, S.

Protein interactions. Pt.35. Coll Cz Chem 28 no.1:125-130 Ja '63.

1. Institute of Organic Chemistry and Biochemistry and Institute of Macromolecular Chemistry, Czechoslovak Academy of Sciences, Prague.

BARTL, P.

ADAM, M.; BARTL, P.

CSSR

Research Institute for Rheumatic Diseases (Vyskumný ústav chorob revmatických)
Prague; director: prof. Dr. Fr. Lenoch, DSc. Institute of Organic Chemistry
and Biochemistry of the CSAV (Ústav organické chemie a biochemie CSAV),
Prague, director: academician Fr. Sorm

Prague, Fyziatricky Vestnik, No 1, 1963, pp 19-21

"Electronmicroscopic Picture of Collagen"

BARTI, P.; ROMAN, J.

Experimental viral leukaemia as a rhythmic growth process. IV.
Systematic fluctuation of the morphological characteristics of
BAL strain A virus particles during the leukaemic process in
the blood. Folia biol. (Praha) 11: 127-132 (1965).

1. Laboratory for the Biochemical Investigation of Cancer,
Biochemistry Department, Institute of Organic Chemistry and
Biochemistry, Czechoslovak Academy of Sciences, Prague.

ADAM, M.; BARTL, P.; DEYL, Z.; ROGMUS, J.

Binding of gold to collagen in chrystothiotherapy. I. Electron microscopic picture. Cas. lek. cesk. 104 no.7:189-192 19 F'65.

1. Vyzkumny ustav revmaticich chorob v Praze (reditel: prof. dr. F. Lenoch); Ustav organicke chemie a biochemie Ceskoslovenskej akademie ved v Praze a Ustredni vyzkumny ustav potravinarstvi, prumyslu v Praze.

DEYL, Z.; ROSMUS, J.; ADAM, M.; BARTL, P.

The coupling of gold with collagen in chrysiotherapy. 2. Effects on structural stability. Cas. lek. cesk. 104 no.9:236-242 5 Mr'65.

1. Ustredni vyzkumny ustav potravinarskeho prumyslu v Praze (reditel: inz. F. Vones); Vyzkumny ustav revmaticich chorob v Praze (reditel: prof. dr. Lenoch) a Ustav organicke chemie a biochemie Ceskoslovenskej akademie vied v Praze (reditel: akademik F. Sorm).

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0

BARTL', Stanislav {Bartl, Stanislav}

Czechoslovaks in the Arctic regions, Let. Sov. 4:87-96. '64.
(MIRA 18:3)

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0"

BARTL, STANISLAV

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: /not given/

Source: Prague, Sbornik Ceskoslovenske Spolecnosti Zemepisne, Vol 66, No 4, 61, p 379.

Data: The World Ends Here (Saiy konci svet). Prague, Mlada Fronta Publishing House, 1961. 309 pages, illus., maps.

Author: BARTL, Stanislav

Reviewer: UMBAN, Kl.

MATKOWICZ-JABLONOWSKA, Wanda
SUBJECT, Given Names

Country: Poland

Academic Degrees: [not given]

Affiliation: Ophthalmological Clinic of the Silesian Medical Academy
(Klinika Okulistyczna, Slaska Akademia Medyczna), Zabrze;
Director (Kierownik): Prof Dr Marian Madroszkiewicz

Source: Krakow, Przeglad Lekarski, Vol XVII, Ser II, No 10, 1961,
pp 373-375

Data: "Two Cases of Post-Influenza Atrophy of the Optic Nerve."

(2)
GPO 981643

BARTL, Vladimir, dr.; JILKOVA, J.

Remark about the microbiological evaluation of some food products. Elelm ipar 16 no.8:228-233 Ag '62.

1. Allami Elelmiszerminosegellenorzo Intezet, Prague, Czechoslovakia.

MYDLIL, Frantisek, inz.; BARTL, Vladimir, dr.

Microbiological control of cosmetics. Prum potravin 13 no.6:
303-304 Je '62.

1. Statni inspekcce jakosti potravinarskych výrobku, Praha.

MALÍK, Václav, Ing.; JIŘÍČKOVÁ, Jaroslava, promovovaný biolog; BARTL, Vladimír,
MUDr.

Experiences in using elective soil with lysine for determining
the contamination by wild yeast. Prum potravin 16 no. 10: 513-515
O 1964.

1. State Inspection of Food Product Quality, Prague.

BARTL, Vladimir, RNDr.

Role of microbiological laboratories in ensuring a higher quality of food. Prum potravin 15 no.11:545-547 N '64.

1. State Inspection of Food Industry Product Quality, Prague.

BARTL, Vladimír, RNDr.; MUZIKAR, Vilem, PhDr.; BARTLOVA, Drahomíra,
PROMOVANÝ biolog

Controlling the quality of bakery yeast. Prum potravin 15
no.11:582-583 N '64.

1. State Inspection of the Food Industry Product Quality,
Prague (for Bartl and Muzikar).
2. Research Institute of the Flour Mill and Bakery Industry,
Prague (for Bartlova).

BARTL, Vladimir, RNDr.; MUZIKAR, Vilem, PhMr.; JILKOVA, Jirina, RNDr.

Food poisoning and how to prevent it. Prum potravin 16 no.1:
32-37 Ja '65.

1. State Inspection of the Food Product Quality, Prague.
Submitted August 23, 1964.

COUNTRY : CZECHOSLOVAKIA
CATEGORY : Chemical Technology. Chemical Products and Their Applications. Carbohydrates and Their Processing.
ABS. JOUR. : RZhKhim., No 17, 1959, No.62445

AUTHOR : Bartl, V.
INSTITUTE : -
TITLE : Investigation of Installations for Purification of Pressed Water at Sugar Refineries.
ORIG. PUB. : Listy cukrovarn., 1958, 74, No 12, 271-275

ABSTRACT : Presented are the results of Investigation of the pressed water purification of three sugar refineries that utilize different purification processes. At the Nodrzany refinery, after passing through the May type and Scheibler type pulp traps the pressed water enter the decantor from which they are directed into diffusers. At the Drggonovice refinery a mixture of Transport wash water and pressed water which is neutralized with lime after 3-4 hours of circulation, is mixed with the pressed water stream and after the separation

Card: 1/3

COUNTRY :
CATEGORY :

ABS. JOUR. : RZhKhim., No 17, 1959, No. 62445

AUTHOR :

INSTITUTE :

TITLE :

ORIG. PUB. :

ABSTRACT : of mush the mixture is directed into earthen
Con'd settlers and then into collectors, where it is
mixed with steam condensates; purified water is
returned to the refinery. At the Klóbuki refinery,
the pressed water is fermented while aerating ex-
tensively, followed by neutralization with lime,
saturation, decantation, returning purified wa-
ter into the diffusers. Samples of entering and
purified water were tested for: acidity, dry re-
sidue, biological consumption of oxygen (in mg/l),
chemical consumption of oxygen (in mg/l), pH,
sugar content. The investigation revealed that

Card: 2/3

H - 108

COUNTRY :
CATEGORY :

H

ABS. JOUR. : RZhKhim., No 17, 1959, No. 62445

AUTHOR :
INSTITUTE :
TITLE :

ORIG. PUB. :

ABSTRACT : the most effective purification was obtained with
Con'd the system employed at the Draganovice refinery.
A fair purification was attained at the Modrzha-
ny refinery. The data pertaining to water puri-
fication at the Klobuki refinery could not be
considered representative due to the uneven mode
of operation. -- Ye. Shnayder.

Card: 3/3

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0"

DHRIL, Pavel.

Distr: 432d (A)

Reversal method for developing negative photographic material used in electron microscopy. Pavel Baril (Csl. akad. veda, Prague). Chem. Listy 52, 533 (1958).—A procedure and prepn. of the necessary solns. for the reversal method of developing the neg. photographic material used in electron microscopy are given. The whole process takes 35 min. during which time only 15 min. must be spent in the dark.

M. Hudlický

3

~1, C2

AUTHOR: Bartle, P.

TITLE: Sixth Czechoslovak Conference on Electron Microscopy

PERIODICAL: Chemické listy, 1960, Vol 54, Nr 3, p 294

ABSTRACT: This conference was held from September 8-11, 1959 in Smolenice, with the participation of a number of specialists from abroad. The programme was subdivided into four sections. Professor V.E. Cosslett of Great Britain dealt with recent knowledge gained on the physics and application of electron microscopy. Professor J.M. Kushnir dealt with Soviet electron microscopes and diffractographs. In the field of biological and biochemical applications mainly the results obtained on the ultrastructure of biological tissue were discussed. D.E. Bradley reported on replica methods of investigation of albumen molecules. Various papers on chemistry dealt with the study of synthetic polymers. A number of papers were read on the crystalline structures of metals and alloys, their

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E073/E335

Sixth Czechoslovak Conference on Electron Microscopy
dependence on the conditions of preparation, working and
stress application.
The participants were greatly interested in recent methods,
particularly the preparation of ultrathin cuts, fixations
and preparation of atomic replicas.
For many Czechoslovak scientists this conference was the
first opportunity of discussing their problems with key
specialists from abroad.

Card 2/2

FANTLI, R.

A general bilinear vector integral. In English. p. 337.
(STUDIA MATHEMATICA. Vol. 15, no. 3, 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions (EVAL) IC. Vol. 6, no. 12, Dec. 1957.

BARTLIK, T.

Insemination center for cows, their organization and work. p. 409. (MEDYCyna WETER-
YNARYJNA. Vol. 9, no. 9, Sept. 1953)

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954

BARTLOVA, Alice, inz. CSc.

Analysis of a nonloaded prestressed rope network. Stav cas 12
no. 4:215-230 '64.

I. Department of Steel Construction, Czech Higher School of
Technology, Prague.

L 40192-66 EWP(w) IJP(c) EM

ACC NR: AP6030064

SOURCE CODE: CZ/0026/66/011/002/0133/0146

AUTHOR: Bartlova, Alice (Docent; Engineer; Candidate of sciences)

43

ORG: Department of Steel Structures, Engineering Faculty, Czech Institute of Technology, Prague (Katedra ocelovych konstrukci SF CVUT)

B

TITLE: Properties of membrane ^{stress} and its conjugate directions

SOURCE: Aplikace matematiky, v. 11, no. 2, 1966, 133-146

TOPIC TAGS: tensor, surface tension, second order differential equation, stress analysis, tensor analysis

ABSTRACT: The solution of given homogeneous equations of equilibrium of a membrane under internal forces in general leads to a second-order partial differential equation. However, if the coordinates are taken as indicated in the paper, namely, the conjugate directions of the tensor T_{ij} of the internal forces, the solution is reduced to integration of the total differential; the integrability conditions given are satisfied on a number of surfaces of constant tension of the membrane, such as the translational surface or the minimal surface. The solution may be applied for the computation of a prestressed unloaded network which has the properties described in the paper. Orig. art. has: 4 figures and 16 formulas. [Based on author's Eng. abst.] [JPRS: 36,835]

SUB CODE: 12, 20 / SUBM DATE: 10Jun64 / ORIG REF: 001 / SOV REF: 003

Card 1/1 - 10

0918 0659

BARTL, Vladimír, RNDr.; MUZIKAR, Vilem, PhDr.; BARTLOVA, Drahomíra,
promovany biolog

Controlling the quality of bakery yeast. Prum potravin 15
no.11;582-583 N '64.

1. State Inspection of the Food Industry Product Quality,
Prague (for Bartl and Muzikar).
2. Research Institute of the Flour Mill and Bakery Industry,
Prague (for Bartlova).

BARTLOVÁ, S

CZECHOSLOVAKIA

MALÝ, M.; BARTLOVÁ, S.; JANÍKOVÁ, M.; SAULOVÁ, A.

CSSR

District Hygiene and Epidemiological Station, Brno-rural (Okresní
hygienicko-epidemiologická stanice, Brno-venkov)

Prague, Ceskoslovenská hygiena, No 10, 1962, pp 604-609

"Influence of Protective Coating on the Sanitary Standards of Water"

4

MALY, M.; BARTLOVA, S.; JANIKOVA, M.; SAULOVA, A.

Influence of protective paints on the sanitary standard of water.
Cesk. hyg. 7 no.10:604-609 D '62.

1. Okresni hygienicko-epidemiologicka stanice, Brno-venkov.
(PAINT) (WATER SUPPLY)

MALÝ, M.; BARTLOVÁ, S.; JANÍKOVÁ, M.; SAULOVÁ, A.

CSSR

District Hygiene and Epidemiological Station, Brno-rural (Okresní
hygienicko-epidemiologická stanice, Brno-venkov)

Prague, Ceskoslovenská hygiena, No 10, 1962, pp 604-609

"Influence of Protective Coating on the Sanitary Standards of Water"

3

4

"APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0

BARTMAN, A. B.; BERZOVSKIY, E. I.; KONDRASHOV, N. G.; RYVKIN, V. B.

"The solution of some linear problems of heat transfer with variable coefficients approximated by piecewise constants."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk,
4-12 May 1964.

Inst of Heat & Mass Transfer, AS BSSR.

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000203730006-0"

EARTMAN, J.

"Remarks on the meters made in Poland for measuring electric energy."

p. 319 (Energetyka) Vol. 11, no. 6, Nov./Dec. 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

BARTMANSKI, T.

After four years. p. 18

OCHRONA PRACY. (Centralna Rada Związków Zawodowych i Dentralny Instytut
Ochrony Pracy. Warszawa, Poland. Vol. 14, no. 2, Feb. 1959.

Monthly list of East European Accessions (EEAI) LC, vol. 8, no. 8, Aug. 1959.

Uncl.

USSR/Cultivated Plants - Grains.

II-4

Abs Jour : Ref Zhur - Biol., No 9, 1953, 39228

Author : Lysogorov, S.D., Bartmannskaya, M.A., Shcherbakova, I.S.,
Mikhail'chevskiy, V.D.

Inst :
Title : Problems of The Agrotechny of Corn Seeds in the Southern
Steppe of the Ukraine.

Orig Pub : V sb.: Kukuruza v 1955 g. Vyp. 6, M., Sel'khozgiz, 1956,
66-81.

Abstract : The result of experiment conducted by the department of
general agriculture and plant-cultivation of the Kirovograd
agricultural institute on the subject of agrotechny ap-
plied to corn (1954-1955) are given in this paper. It
is suggested that corn for seed be grown in the southern
steppe of the Ukraine by pocket planting (70 x 70 cm).
One plant is placed in the bunch without irrigation -
and 2-3 plants when placed in a cluster, are irrigated.

-- Ye.T. Zhukovskaya

Card 1/1